

# Assignment - 3

## (Code Structure Measurement)

Course Code : SE 3204  
Course Title : Software Metrics

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## Code Structure Measurement

Code Structure measurement refers to the process of quantitatively evaluating the various aspects of a codebase's structure. The purpose of measuring code structure is to identify areas that may require improvement, as well as monitor changes in codebase over time. Code Structure can be measured by

1. Control Flow Structure
2. Data Flow Structure

## Code Structure Measurement for SPL-I Project

### Aboutus

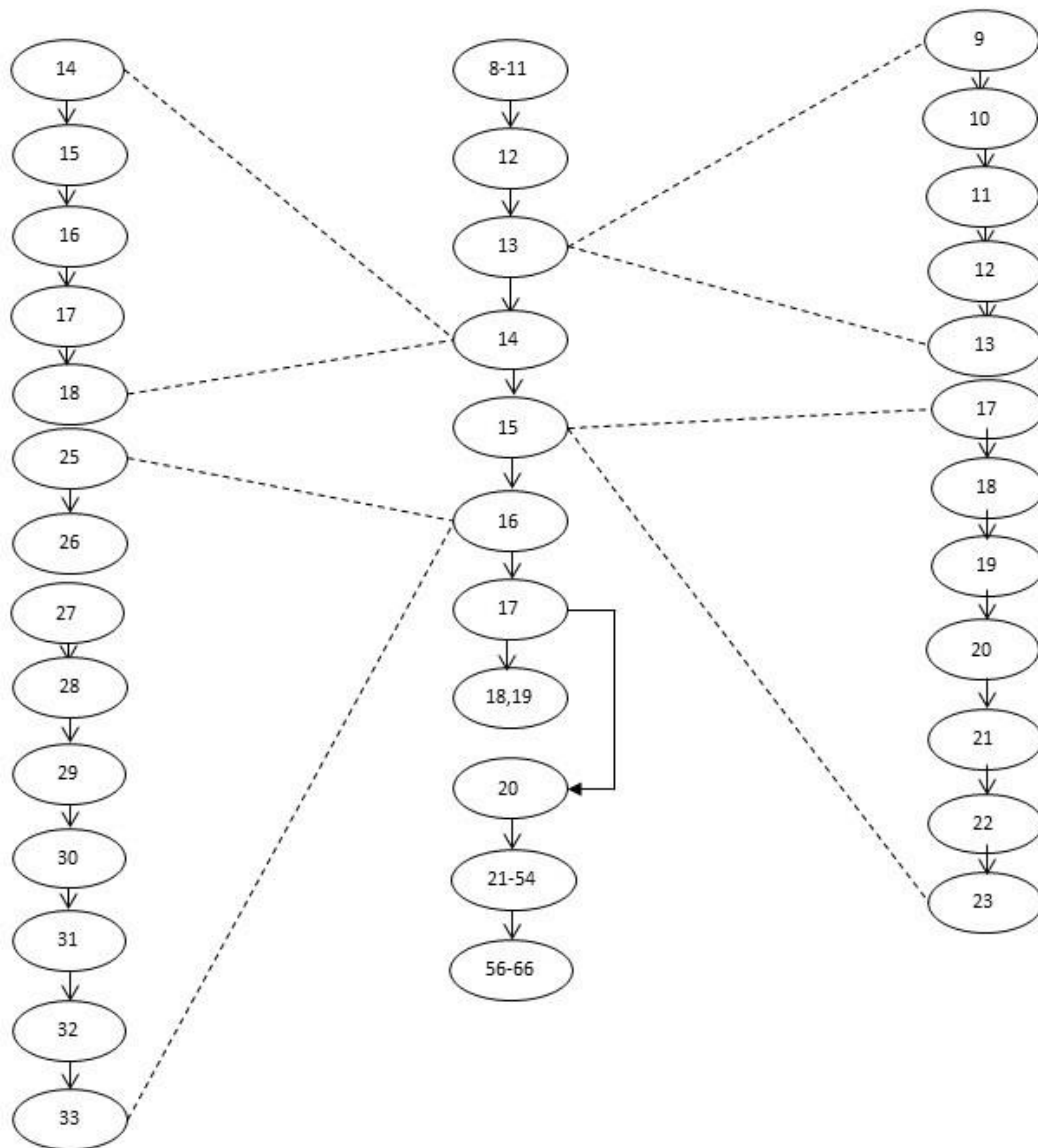


Figure 1: Aboutus

Back\_Button

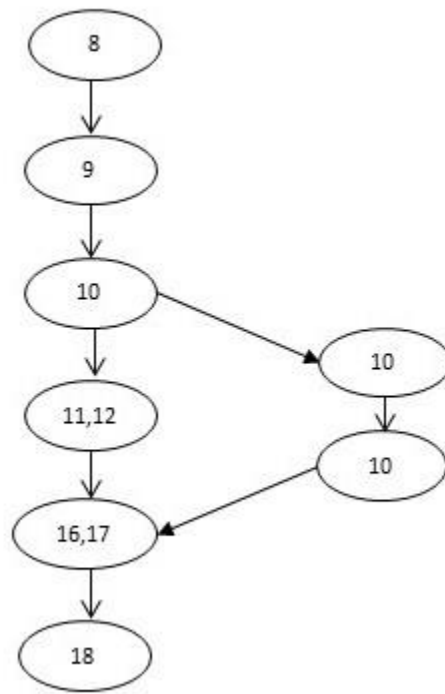


Figure 2: Back\_Button

## Basic\_Frame\_Duplicity

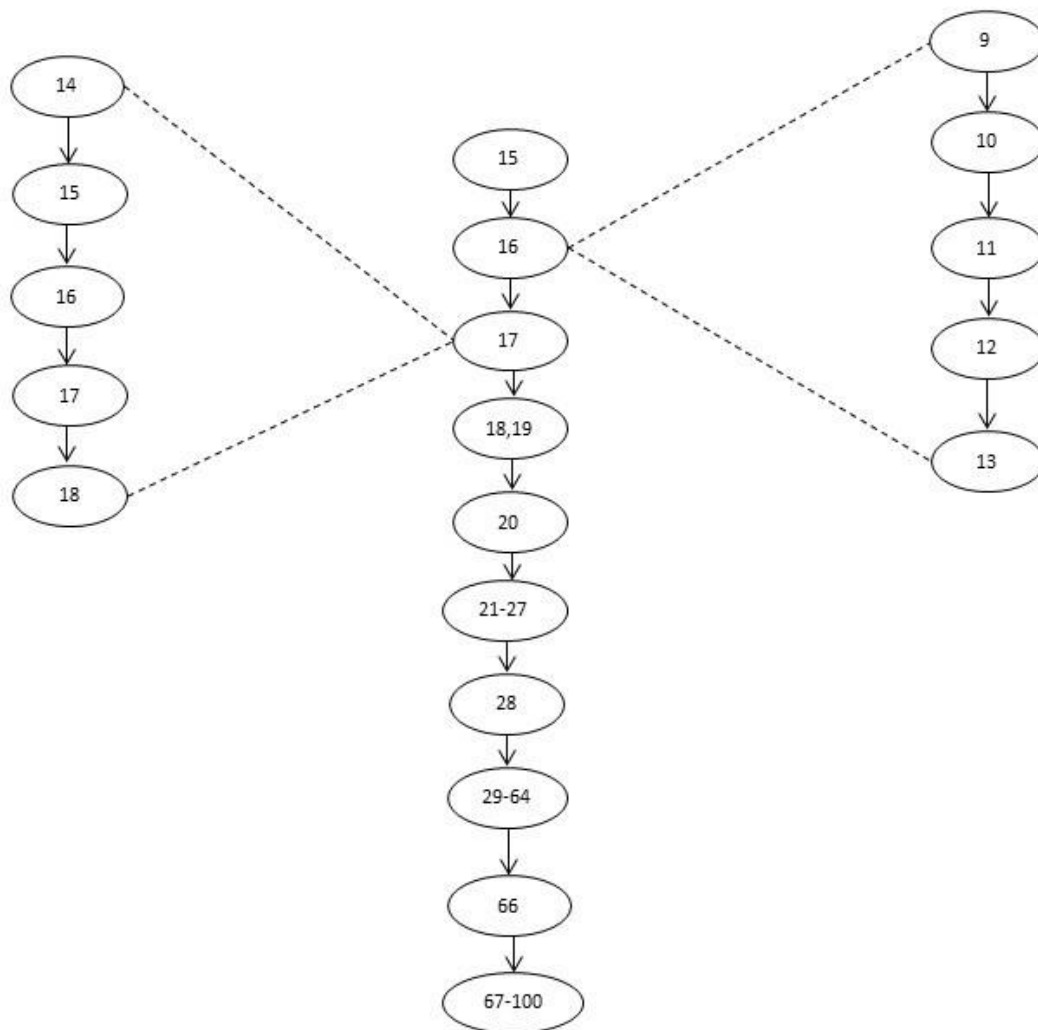


Figure 3: Basic\_Frame\_Duplicity

ButtonSound

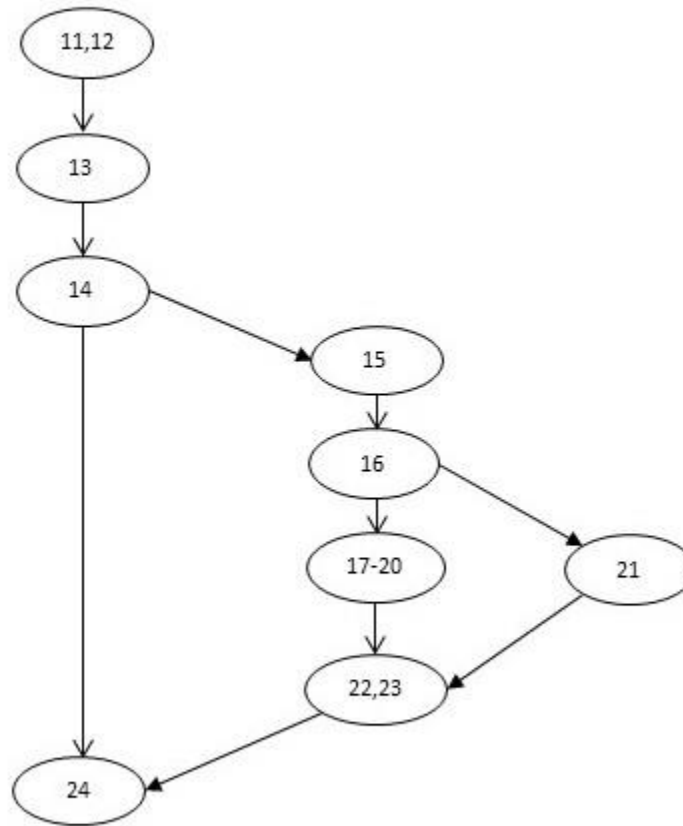


Figure 4: ButtonSound



## Check\_Extension

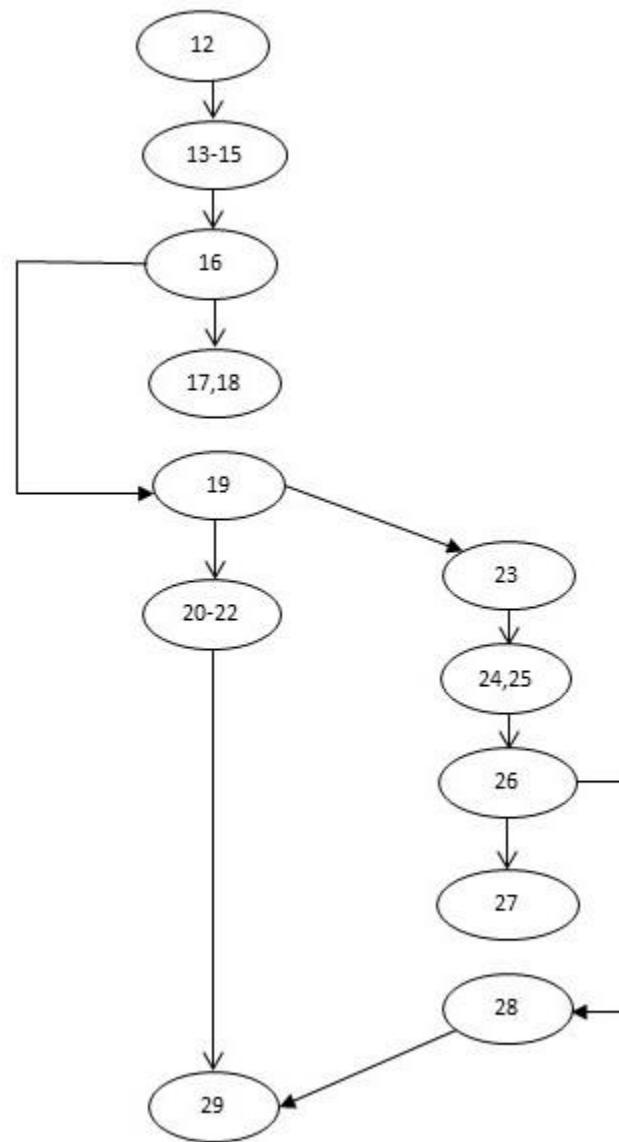


Figure 5: Check\_Extension

fileRead

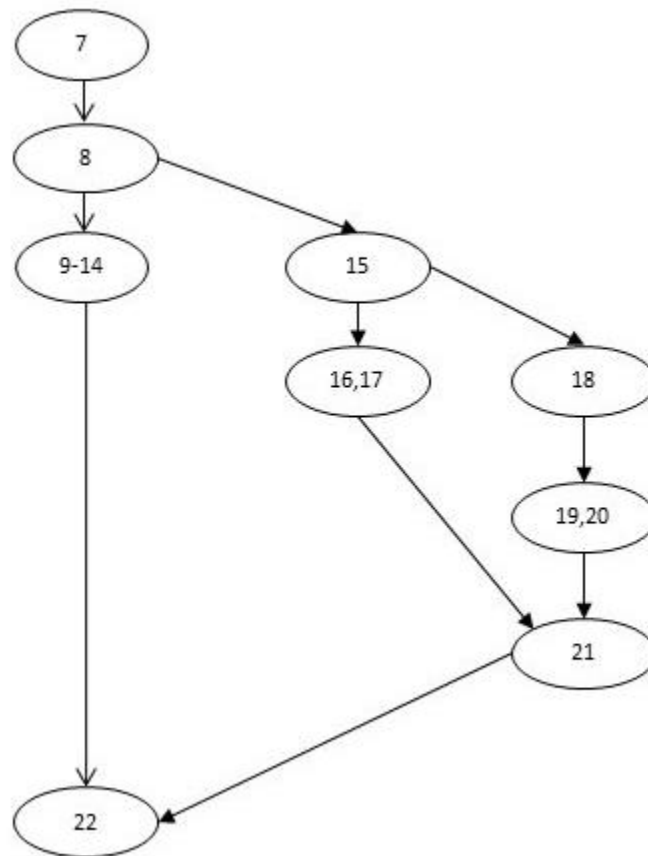


Figure 6: fileRead

Frame\_Container\_Template

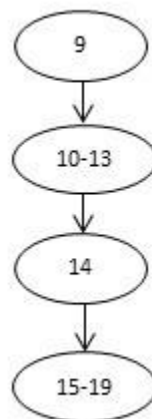


Figure 7: Frame\_Container\_Template

highlight

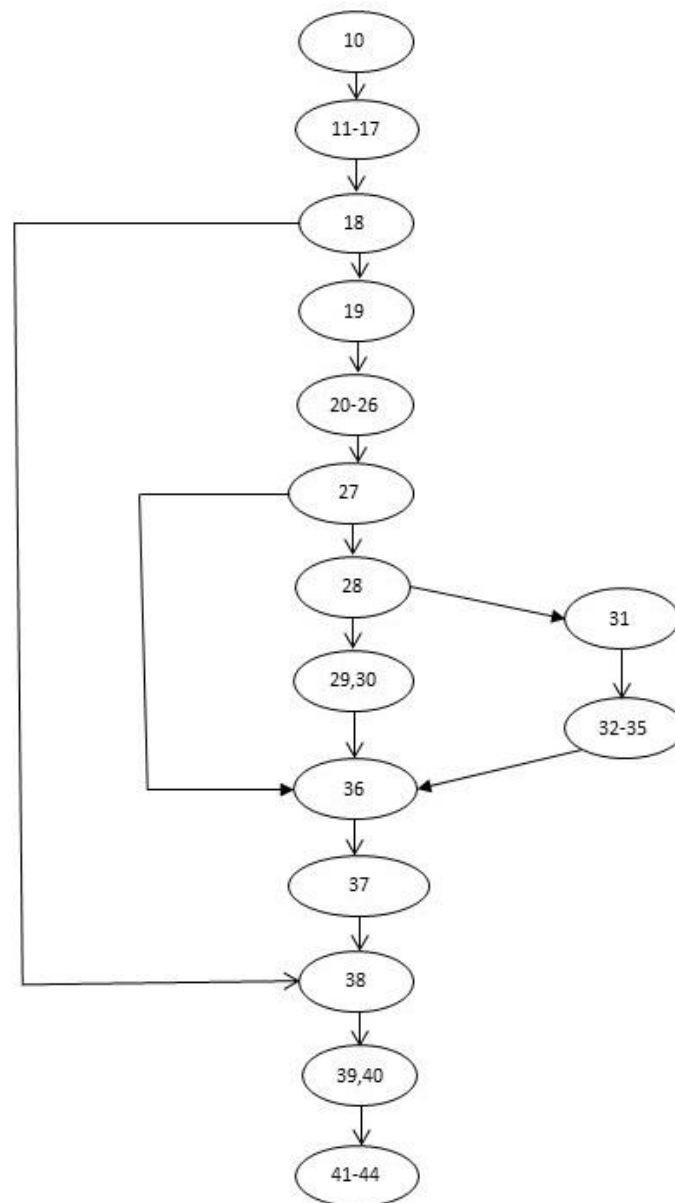


Figure 8: highlight

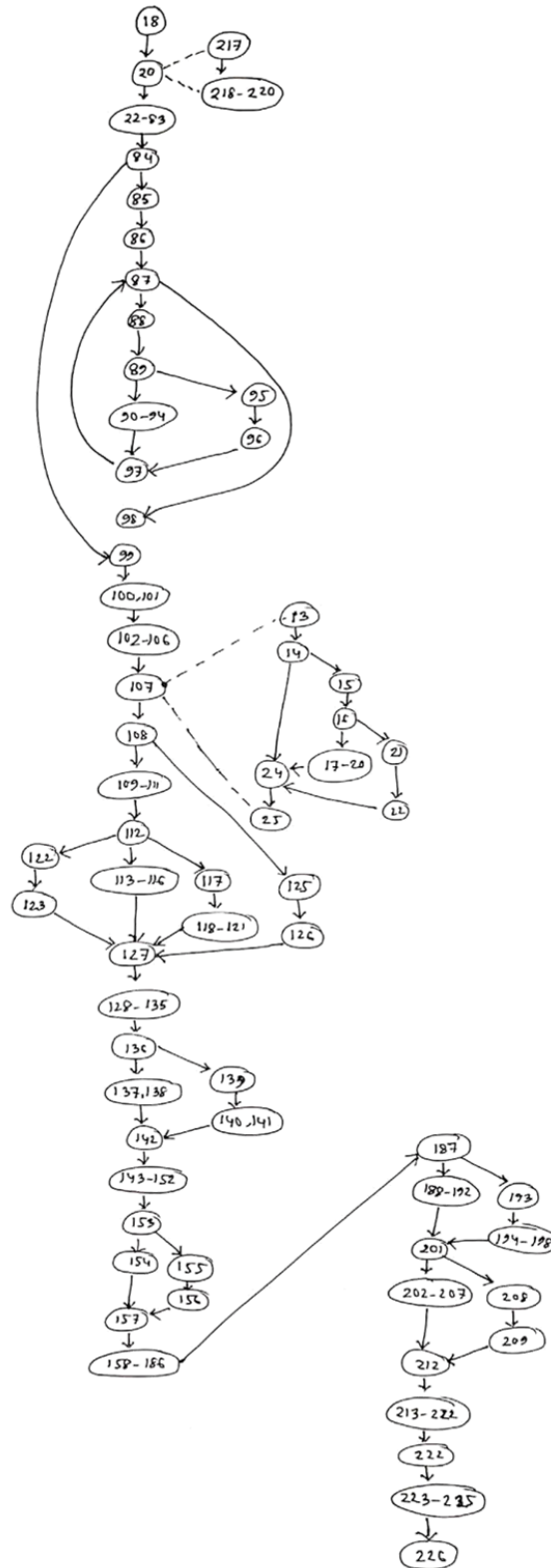


Figure 9: Home

Panel\_BackButton

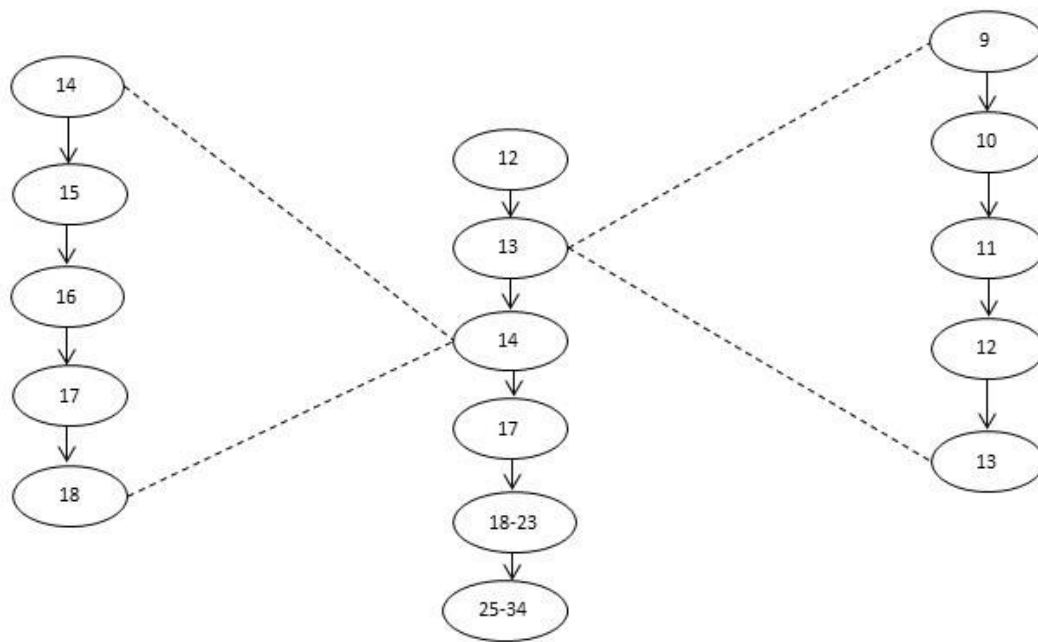


Figure 10: Panel\_BackButton

save\_file

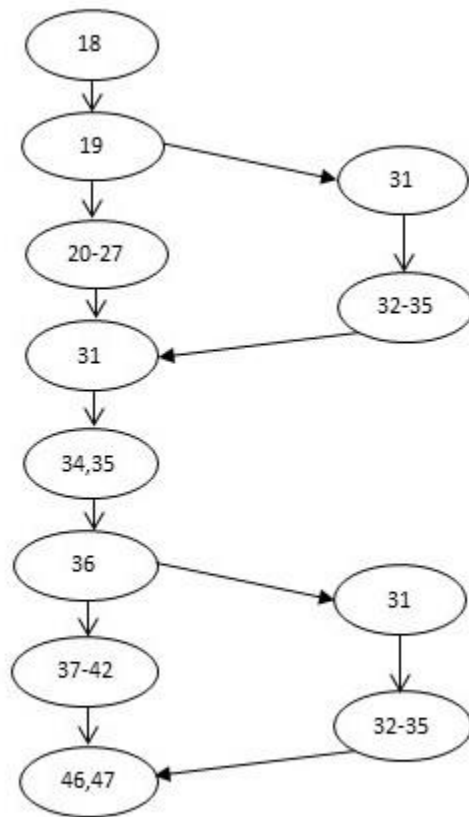


Figure 11: save\_file

sorting\_result

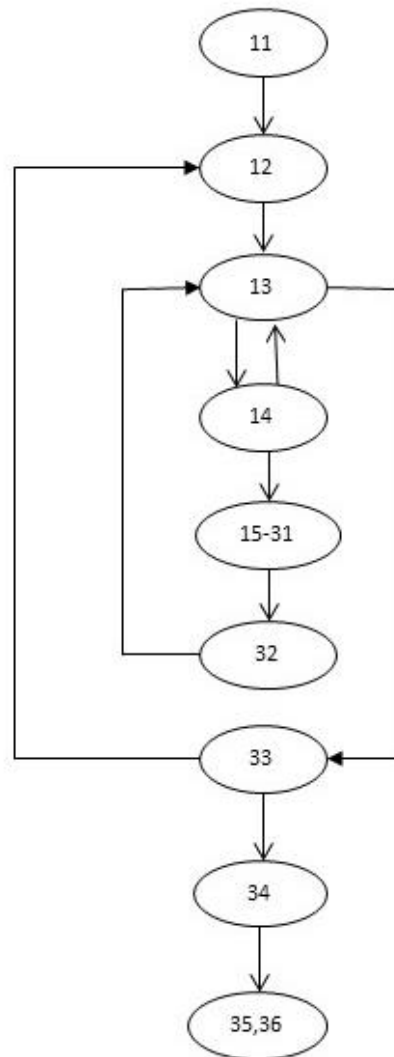


Figure 12: sorting\_result

## Splash\_Screen

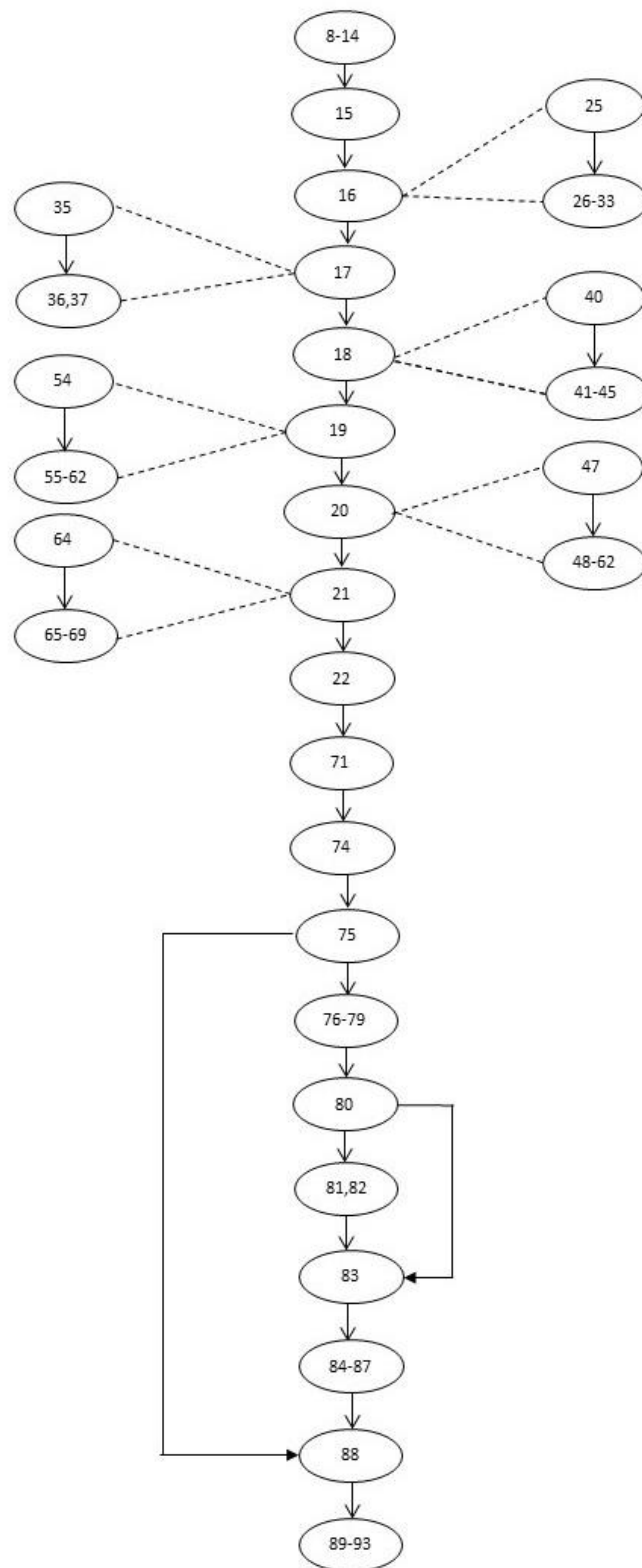


Figure 13: Splash\_Screen



## User\_GuideLines

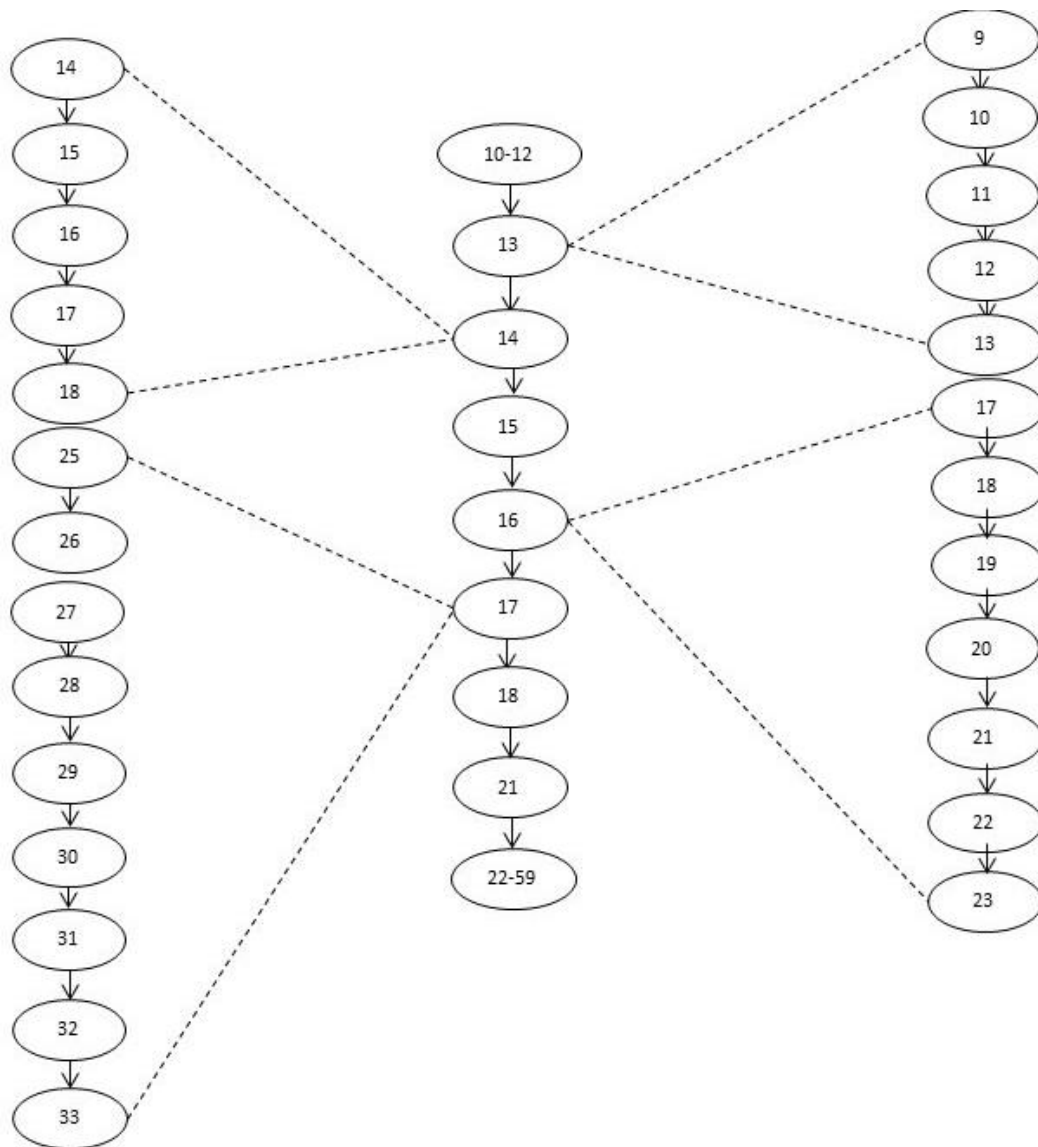


Figure 14: User\_GuideLines

## Complexity of the classes

Class	Complexity
Aboutus	3
Back_Button	1
Basic_Frame_Duplicity	4
ButtonSound	3
Capitalization	117
Check_Extension	4
Duplicity_Folder	84
Duplicity_Random_Files	70
fileRead	2
Frame_Container_Template	2
highlight	8
Home	14
MainClass	1
Panel_Back_Button	3
save_file	2
Sorting_result	4
Spell_Check	23
SplashScreen	11
User_GuideLines	3